

Citation

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Abstract

The TFW Monitoring Program method manual for the Salmonid Spawning Habitat Availability (SHA) Survey provides a standard method for the assessment and monitoring of available salmonid spawning habitat. The criteria used to determine spawning habitat includes substrate particle size, substrate depth, water depth, water velocity, and surface area coverage. The SHA Survey has two methods for estimating the amount of spawning habitat on the TFW stream segment scale. The transect method uses dominant substrate information collected along systematically placed transects to estimate the total surface area of potential spawning habitat within the bankfull and wetted channels. The patch method provides detailed information on the surface area and distribution of individual spawning habitat patches within the wetted channel. Monitoring objectives and timing of surveys are used to select whether one or both survey methods are applied.

The remainder of the introduction section describes the purpose of the SHA Survey, reviews scientific background information, and describes the cooperator services provided by the TFW Monitoring Program. Following the introduction, sections are presented in order of survey application including: study design, pre-survey preparation, stream discharge, survey methods, post-survey documentation, data management, and references. An extensive appendix is also provided that includes field form copy masters, examples of completed field forms, a field code sheet, data management examples, and a standard field and vehicle gear checklist.

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Copying of the TFW Manual

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Manual cover, method illustrations, field forms, and layout design by Allen Pleus unless otherwise noted.

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